INTERNATIONAL SEARCH REPORT

Internal al Application No
PCT/EP2005/000054

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E21B43/02 E21B33/138

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Х	WO 01/49971 A (SHELL CANADA LTD; BP EXPLORATION OPERATING (GB); GUNN ALISTAIR MANSON) 12 July 2001 (2001-07-12) claims 1-19	1–18	
X	EP 0 604 988 A (PHILLIPS PETROLEUM CO) 6 July 1994 (1994-07-06) the whole document	1-18	
Х	CHAUVETEAU G; TABARY R; RENARD M; OMARI A: "Controlling In-Situ Gelation of Polyacrylamides by Zirconium for Water Shutoff" SPE INTERNATIONAL SYMPOSIUM ON OILFIELD CHEMISTRY - HOUSTON, TEXAS 16-19 FEBRUARY 1999, SPE 50752, 1999, pages 1-9, XP002293495 the whole document	1-18	

X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
18 May 2005	25/05/2005
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Lehnert, A

INT NATIONAL SEARCH REPORT

Internal Application No
PCT/EP2005/000054

<i></i>	PCT/EP2005/000054
Gradion of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 5 789 351 A (MORADI-ARAGHI AHMAD ET AL) 4 August 1998 (1998-08-04) the whole document	1–18
US 5 642 783 A (MORADI-ARAGHI AHMAD ET AL) 1 July 1997 (1997-07-01) the whole document	1-18
US 5 849 674 A (MORADI-ARAGHI AHMAD ET AL) 15 December 1998 (1998-12-15) cited in the application the whole document	1-18
US 4 606 407 A (SHU PAUL) 19 August 1986 (1986-08-19) column 3, line 29 - line 35; claims; examples	1-6, 10-18
US 5 086 089 A (SHU PAUL) 4 February 1992 (1992-02-04) cited in the application column 3, line 51 - column 4, line 16 column 4, line 49 - line 50 column 6, line 41 - line 63	1-6, 10-18
US 4 670 165 A (BROWN JAMES M ET AL) 2 June 1987 (1987-06-02) the whole document	1-6, 10-18
	AL) 4 August 1998 (1998-08-04) the whole document US 5 642 783 A (MORADI-ARAGHI AHMAD ET AL) 1 July 1997 (1997-07-01) the whole document US 5 849 674 A (MORADI-ARAGHI AHMAD ET AL) 15 December 1998 (1998-12-15) cited in the application the whole document US 4 606 407 A (SHU PAUL) 19 August 1986 (1986-08-19) column 3, line 29 - line 35; claims; examples US 5 086 089 A (SHU PAUL) 4 February 1992 (1992-02-04) cited in the application column 3, line 51 - column 4, line 16 column 4, line 49 - line 50 column 6, line 41 - line 63 US 4 670 165 A (BROWN JAMES M ET AL) 2 June 1987 (1987-06-02)

INT NATIONAL SEARCH REPORT

Information on patent family members

Internation Application No
PCT/EP2005/000054

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0149971	A	12-07-2001	AT AU CA	277272 2381901 2395928	Α	15-10-2004 16-07-2001 12-07-2001
			DE	60014183		28-10-2004
			EP	1292759		19-03-2003
			WO	0149971		12-07-2001
			NO	20023155		16-07-2002
			US 	2003109385	A1 	12-06-2003
EP 0604988	Α	06-07-1994	US	5478802		26-12-1995
			CA	2107550		30-06-1994
			DE	69326424		21-10-1999
			DE	69326424		13-01-2000
			EP MX	0604988 9307941		06-07-1994 31-08-1994
			NO	934869		31-08-1994
US 5789351	Α	04-08-1998	US	5642783		01-07-1997
			US	5547025		20-08-1996
			AU	683194		30-10-1997
			AU GB	5058496 2299821		31-10-1996
			IN	187894		16-10-1996 20-07-2002
			NO	961483		15-10-1996
US 5642783	Α	01-07-1997	US	5547025		20-08-1996
			US AU	5789351 683194		04-08-1998
			AU	5058496		30-10-1997 31-10-1996
			GB	2299821		16-10-1996
			IN	187894		20-07-2002
			NO	961483		15-10-1996
US 5849674	Α	15-12-1998	NONE			
US 4606407	A	19-08-1986	NONE			
US 5086089	Α	04-02-1992	US	4964461		23-10-1990
			CA	2029238		04-05-1991
			GB	2237575		08-05-1991
			NO	904772	А,В,	06-05-1991